

Application No. 10/029,350
Docket No. 13DV-14197
Amendment dated August 9, 2004
Reply to Advisory Action of August 3, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A process for rejuvenating a platinum-
containing diffusion aluminide coating on a component following deposition of the
diffusion aluminide coating and before placing the component in service at an elevated
temperature, the diffusion aluminide coating comprising an additive layer on a surface
of the component and a diffusion zone below the additive layer and in a surface region
of the component, the process comprising the steps of:

treating the diffusion aluminide coating to an aqueous solution consisting
essentially of ~~about 50 volume percent~~ nitric acid and ~~about 50 volume percent~~
phosphoric acid at a temperature of about 70°C to about 80°C until at least part of the
additive layer has been removed but the diffusion zone remains, thereby establishing a
treated surface of the diffusion aluminide coating;

depositing a platinum layer on the treated surface;

heat treating the component to diffuse the platinum layer into the treated
surface; and then

aluminizing the treated surface of the component.

OK to enter
8/19/04
Jim